Aron Teh

✒ aronteh.com   ⬡ github.com/Ellipsoul   in linkedin.com/in/aronteh   ✉ aronteh.chess@gmail.com

💼 Professional Experience

Amazon ⬈   Nov 2022 – present
Software Engineer, Prime Video   London, United Kingdom

- Extended **React** and **TypeScript** component logic in the Prime Video Living Room application to support right-to-left layout and text. **Successful delivery** of the multi-team, time-constrained project facilitated a Prime Video launch in **8** new countries, **increasing Prime subscription rates** in launch regions by **11.52%**.
- **Migrated** application from a legacy, chaotic **metrics** reporting tool to a structured, predictable platform.
- Confidently **communicated** and **resolved** customer-impacting high severity **on-call incidents**, using **AWS CloudWatch** and an **Elasticsearch**-powered platform to isolate and roll back problematic deployments.
- **Onboarded 2** new **engineers** during eighth week of tenure, in absence of experienced team members.

THG ⬈   Sep 2021 – Oct 2022 | United Kingdom
Software Engineer

- **Refactored** an external customer-facing content management system into **30+ robust** and **reusable Angular (TypeScript) components**. Facilitated component library onboarding for multiple internal teams.
- **Collaborated** with UX designers to develop complex **Angular user interfaces**, used by **100** external clients.
- Developed and maintained a backend **GraphQL API** utilising technologies like **Java**, **Gradle** and **Spring**.
- Spearheaded **engineering excellence** by creating and taking **ownership** of entire team's **documentation**.
- **Exceeded** company **expectations** throughout all quarterly performance reviews.

🧩 Notable Technical Projects

SkyStory ⬈

- Dynamically themed, responsive progressive web application (**PWA**) where users query live and forecast weather information, utilising a third-party **REST API** service. Built with **Angular**, **Material** and **Tailwind**.
- Integrated **Firebase authentication** and **Firestore database** saves queries for authenticated users.

NanoNote ⬈

- Lightweight and responsive **Angular** application for sticky notes, secured with **Firebase authentication**.
- Users can create, manage, update, sort and categorise unlimited notes in an intuitive, minimalistic UI.

TurboFile ⬈

- Responsive and multi-themed **React** application where users can upload and share files within seconds.
- Additional features to view, download and manage files are unlocked for users authenticated with Google.

🎓 Education

Imperial College London   2017 – 2021 | London, United Kingdom
Aeronautical Engineering (MEng, Master of Engineering) - 2:1

- **Master's Thesis** ⬈ : Explored a **Python** implementation and solution to the sparse conic optimisation problem, using the Alternating Direction Method of Multipliers.
- Key Modules: **High Performance Computing**, Mathematics, Numerical Analysis, Optimisation, Finance.

{} Technical Skills

HTML, CSS, JavaScript, TypeScript, Python, SQL, Java, C++, React (v18), Next.js (v13), Angular, Firebase (v9), Git, Tailwind, npm, Yarn, Jest, Cypress, REST, webpack, Testing (Unit, Integrated, E2E), Axios, RxJS, AWS, Bash, Scrum, Flask, Continuous Integration, Continuous Deployment, Docker, Kubernetes, GraphQL, Vercel.

🌐 Languages

English (Native) | **Chinese** (Advanced) | **Spanish** (Beginner) | **Cantonese** (Beginner)

♟ Interests

Chess ⬈ (Youngest Malaysia National Chess Champion (2013); FIDE Master (International Title); World Chess Olympiad Participant (Norway 2014); President of Imperial College London Chess Club, led team to win 1st place in every competition, most club members in recent history (2018-2019); Private Teacher)

Quantitative Finance | **Machine Learning** ⬈ | **Sports** (Swimming, Table Tennis, Badminton) | **Music**